

## **CLAIMS**

1. Method for selecting an Application Server in an Internet Protocol multimedia network (IMMN) upon reception of an Internet Protocol Multimedia call destined to a called party terminal (CDPT), said  
5 method comprising the step of:

a. a call session control network element (CSCF) intercepting said incoming IP multimedia call, **CHARACTERISED IN THAT** said method further comprises the following steps:

10 b. said call session control Network element (CSCF) upon intercepting said incoming IP multimedia call activating a dedicated primary application server (AS<sub>Prim</sub>);

c. said primary application server (AS<sub>Prim</sub>), upon analysis of said incoming IP multimedia call presenting said incoming IP multimedia call  
15 to said called party terminal (CDPT) together with a set of service applications for answering said incoming call, said set of service applications being determined in said analysis; and

d. said call session control Network element (CSCF) receiving a selection of at least one service application from said set of service  
20 applications forwarded by said called party terminal (CDPT).

2. Method for selecting an Application Server according to claim 1, **CHARACTERISED IN THAT** said method further comprises the step of:

5 said call session control network element (CSCF) based on said at least one selected service application invoking at least one secondary Application Server (AS1...ASn) corresponding to said at least one selected service application.

3. Call Session Control network element (CSCF) for selecting an  
10 Application Server in an Internet Protocol multimedia network (IMMN) upon reception of an Internet Protocol Multimedia call destined to a called party terminal (CDPT) by said Call Session Control network element (CSCF), said Call Session Control network element (CSCF) comprising a call intercepting means (CIM) adapted to intercept an  
15 incoming IP multimedia call, **CHARACTERISED IN THAT** said Call Session Control network element (CSCF) further comprises:

a. a Primary Application Server invocation means (PASIM), coupled with an input to an output of said call intercepting means (CIM) and adapted to invoke upon intercepting said incoming IP multimedia  
20 call a primary Application Server (AS<sub>PRIM</sub>) and forward call data corresponding to said incoming IP multimedia call to said Primary Application Server (AS<sub>PRIM</sub>);

b. a Selection receiving means (SRM), adapted to receive from said Primary Application Server (AS<sub>PRIM</sub>) a selection of at least one service  
25 application from said set of service applications forwarded by said called party terminal (CDPT); and

4. Call Session Control network element (CSCF) according to claim 3, **CHARACTERISED IN THAT** said Call Session Control network element (CSCF) further comprises a Secondary Application server invocation means (SASIM), coupled with an input to an output of said  
5 Selection receiving means (SRM) and adapted to activate based on said at least one selected service application at least one secondary Application Server (AS1..ASn) corresponding to said at least one selected service application.

10 5. Primary Application Server (AS<sub>PRIM</sub>) for selecting an Application Server in an Internet Protocol multimedia network (IMMN) upon reception of an Internet Protocol Multimedia destined to a called party terminal (CDPT), by a Call Session Control network element (CSCF), said Primary Application Server comprising the following means:

15 a. an activation message reception means (ARM), adapted to receive call data corresponding to said incoming IP multimedia call forwarded by said Call Session Control network element (CSCF);

b. a call analysis means (CAM), coupled with an input to an output of said activation message reception means (ARM) and adapted  
20 to analyse said incoming IP multimedia call and based on said analysis determine a set of service applications for answering said incoming call;

c. a call presentation information forwarding means (CPM), coupled with an input to an output of said call analysis means (CAM) and adapted to forward, upon analysis of said incoming IP multimedia  
25 call, call presentation information of said incoming IP multimedia call to said called party terminal (CDPT) together with a set of service applications for answering said incoming call, said set of service applications being determined in said analysis; and

d. a user selection reception means (USRM), adapted to receive from said called party terminal (CDPT) a selection of at least one service application of said set of service applications forwarded by said called party terminal (CDPT); and

5 e. an application selection forwarding means (ASFM), coupled with an input to an output of said a user selection reception means (USRM) and adapted to forward said selection of at least one service application of said set of service applications forwarded by said called party terminal (CDPT) towards said call session control Network element  
10 (CSCF).

6. Primary Application Server (AS<sub>PRIM</sub>) according to claim 5, **CHARACTERISED IN THAT** said call presentation information forwarding means (CPM) is adapted to forward said call presentation information of  
15 said incoming IP multimedia call and/or said set of service applications for answering said incoming call via an HyperText Transfer Protocol session.

7. Primary Application Server (AS<sub>PRIM</sub>) according to claim 5, **CHARACTERISED IN THAT** said call presentation information forwarding means (CPM) is adapted to forward said call presentation information of  
20 said incoming IP multimedia call and/or said set of service applications for answering said incoming call via an Wireless Application Protocol session.

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8. Primary Application Server (AS<sub>PRIM</sub>) according to claim 5, **CHARACTERISED IN THAT** said call presentation information forwarding means (CPM) is adapted to forward said call presentation information of

said incoming IP multimedia call and/or said set of service applications for answering said incoming call via said Call session control network element (CSCF).

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9. Called Party Terminal (CDPT) for selecting an Application Server in an Internet Protocol multimedia network (IMMN) upon reception of an Internet Protocol Multimedia by a Call Session Control network element (CSCF), **CHARACTERISED IN THAT** said Called Party

10 Terminal (CDPT) comprises:

a. an Application Presentation Reception means (APRM), adapted to receive call presentation information of said incoming IP multimedia call together with a set of service applications for answering said incoming call from said Primary Application Server (AS<sub>PRIM</sub>);

15 b. application presentation means (APM), coupled with an input to an output of said Application Presentation Reception means (APRM) and adapted to make a call presentation, of said incoming IP multimedia call to said called party terminal (CDPT) together with a set of service applications for answering said incoming call;

20 c. application selection means (ASM), coupled with an input to an output of said application presentation means (APM) and adapted to select at least one service application of said set of service applications forwarded by said called party terminal (CDPT); and

25 d. user application selection forwarding means (UASFM), coupled with an input to an output of said application selection means (ASM) adapted to forward a selection of at least one service application of said set of service applications forwarded by said called party

terminal (CDPT) towards said call session control Network element (CSCF).

10. Called Party Terminal (CDPT) according to claim 9,  
5 **CHARACTERISED IN THAT** said application presentation means (APM) is a web-browser.

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